

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>PC472CF</b>	<b>FOR FURTHER ACTION</b> <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. <b>PCT/EP 03/14704</b>	International filing date (day/month/year) <b>22/12/2003</b>	(Earliest) Priority Date (day/month/year) <b>20/12/2002</b>
Applicant  <b>AKTIEBOLAGET SKF</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☒ because this figure better characterizes the invention.

3 ☒  
☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14704

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 F16D65/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F16D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 325 180 B1 (HAAS ROLAND ET AL) 4 December 2001 (2001-12-04)	1,2
A	column 4, line 63 - column 5, line 16; figure 2	6,11
A	----- US 5 829 557 A (HALASY-WIMMER GEORG ET AL) 3 November 1998 (1998-11-03) column 5, line 29 - column 6, line 14; figure 4	1,11
A	----- WO 00/45064 A (FUCKS THOMAS WILHELM ; ZWARTS JACOBUS (NL); KAPAAN HENDRIKUS JAN (NL);) 3 August 2000 (2000-08-03) page 3, line 31 - page 4, line 16; figure ----- -/--	1,11

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

18 June 2004

Date of mailing of the international search report

28/06/2004

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Van Koten, G

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14704

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 01/70552 A (BOSCH GMBH ROBERT ;  HILZINGER JUERGEN (DE); KASTINGER GUENTER  (DE); BL) 27 September 2001 (2001-09-27)  page 9, line 10 - page 10, line 3; figure  1</p> <p style="text-align: center;">-----</p>	1, 11

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/14704

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6325180	B1	04-12-2001	NL	1006543 C2	12-01-1999
			AU	8132598 A	08-02-1999
			CN	1143064 C	24-03-2004
			DE	69809052 D1	05-12-2002
			DE	69809052 T2	12-06-2003
			EP	0993564 A1	19-04-2000
			JP	2001509574 T	24-07-2001
			WO	9902883 A1	21-01-1999
-----					
US 5829557	A	03-11-1998	DE	19511287 A1	25-01-1996
			CZ	9600594 A3	17-07-1996
			DE	59507612 D1	17-02-2000
			WO	9603301 A1	08-02-1996
			EP	0728089 A1	28-08-1996
			HU	75406 A2	28-05-1997
			PL	313522 A1	08-07-1996
			SK	29496 A3	01-10-1996
JP	10504876 T	12-05-1998			
-----					
WO 0045064	A	03-08-2000	NL	1011142 C2	31-07-2000
			AU	2467600 A	18-08-2000
			CN	1339092 T	06-03-2002
			DE	60003887 D1	21-08-2003
			DE	60003887 T2	22-01-2004
			EP	1147328 A1	24-10-2001
			JP	2002535581 T	22-10-2002
			WO	0045064 A1	03-08-2000
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WO 0170552	A	27-09-2001	DE	10014226 A1	27-09-2001
			WO	0170552 A1	27-09-2001
			EP	1268250 A1	02-01-2003
			JP	2004502097 T	22-01-2004
			US	2004036370 A1	26-02-2004
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